

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Docket Number (Optional) 3574.4US (97-1437.04/US)		Application Number Not yet assigned	
				Applicant G chnou r t al.			
				Filing Date July 14, 2003		Group Art Unit Unknown	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Re</i> <i>✓</i>	Re. 34,794	11/1994	Farnworth	257	678	
	1,750,369	03/1930	Septer	269	95	
	3,614,540	10/1971	Slusser	361	752	
	3,930,644	01/1976	Albert, Jr.	269	118	
	4,339,407	07/1982	Leighton	264	229	
	4,463,636	08/1984	Heller et al.	83	13	
	4,510,008	04/1985	Hoshi et al.	156	245	
	4,554,613	11/1985	Kaufman	361	723	
	4,701,999	10/1987	Palmer	29	827	
	4,763,782	08/1988	Sinchok	206	709	
	4,805,316	02/1989	Curti	33	613	
	4,842,412	06/1989	Miyake	356	401	
	4,943,334	07/1990	Medney et al.	156	174	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<i>Re</i> 	57-8050 (A)	01/1982	JP				

OTHER DOCUMENTS		
(Including Author, Title, Date, Pertinent Pages, Etc.)		

EXAMINER <div style="text-align: center; font-size: 1.5em; margin-top: 10px;"> <i>Y.S.N</i> </div>	DATE CONSIDERED <div style="text-align: center; font-size: 1.5em; margin-top: 10px;"> <i>11/03</i> </div>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance not considered. Include copy of this form with next communication to the applicant.

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
✓	4,948,108	08/1990	Sullivan	269	43		
	4,953,061	08/1990	Nitkiewicz	361	207		
	5,037,691	08/1991	Medney et al.	428	137		
	5,052,338	10/1991	Maiorca et al.	118	668		
	5,110,615	05/1992	Maiorca et al.	427	8		
	5,111,935	05/1992	Bond et al.	206	713		
	5,148,962	09/1992	Jones et al.	228	49.1		
	5,156,983	10/1992	Schlesinger et al.	29	827		
	5,271,953	12/1993	Litteral	427	8		
	5,298,464	03/1994	Schlesinger et al.	156	312		
✓	5,350,455	09/1994	Mahler	118	728		

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OTHER DOCUMENTS			(Including Author, Title, Date, Pertinent Pages, Etc.)

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bc	5,376,326	12/1994	Medney et al.	264	510		
	5,444,304	08/1995	Hara et al.	257	796		
	5,450,289	09/1995	Kweon et al.	361	773		
	5,451,815	09/1995	Taniguchi et al.	257	696		
	5,456,402	10/1995	Curtin	228	43		
	5,492,866	02/1996	Nishikawa	29	827		
	5,501,436	03/1996	Miller	269	47		
	5,635,760	06/1997	Ishikawa	257	692		
	5,653,020	08/1997	Romano et al.	29	856		
	5,820,013	10/1998	Ortiz	228	43		
✓	5,868,887	02/1999	Sylvester et al.	361	704		

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						YES	NO

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EXAMINER L.S.	DATE CONSIDERED 11/03
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	6,027,590	02/2000	Sylvester et al.	150	150	
	6,122,170	09/2000	Hirose et al.	361	704	
	6,164,636	12/2000	Taylor	269	287	
	6,174,482	01/2001	Reames et al.	269	250	
	6,206,352	03/2001	Ishitani et al.	269	13	
	6,224,936	05/2001	Gochnour et al.	427	96	
	6,237,832	05/2001	Chung	229	44.7	
	6,527,999	03/2003	Gochnour et al.	264	266	
	6,592,670	07/2003	Gochnour et al.	118	500	

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